WHAT IS CLAIMED IS:

1.   In a Thin Client Sizing Tool for configuring one or more Server Farms which optimize a network suitable for an enterprise which supports a given customer profile, a method for establishing the memory
5   requirements for the Farm configuration comprising the steps of:

(a) calculating the memory requirements for each User-type utilizing each application available;

10   (b) utilizing the number of Servers required for the optimum Server configuration;

(c) calculating the memory requirements for each Server.

2.   The method of claim 1 which includes the step of:

(d) developing the total memory requirements for the configuration by dividing the total
5   memory requirements by the number of Servers.

3.　　　　The method of Claim 1 wherein step (a) includes the steps of:

(a1) accessing from a sizing database the memory requirements for each application being utilized;

(a2) incrementing the memory requirements by adding the product of the MAX FUNCTION times the number of Users, where the MAX FUNCTION is the larger number MX of either the MA [amount of memory allocated for each application by the operating system] or MS [the amount of Server memory needed for each operating system to allocate for each User];

(a3) repeating step (a2) for each operating system involved.

4.   The method of claim 3 wherein step (a1) includes the steps of:

(a1a) determining if the application involved is MS-DOS or 16-bit oriented;

(a1b) if (a1a) is a YES, then incrementing by 25% the amount of memory allocated for each application by the operating system involved.

5.   The method of claim 1 wherein step (c) includes the steps of:

(c1) calculating the number of Servers needed for an optimal configuration;

5   (c2) determining the type of operating system for each server;

(c3) calculating the required server memory for each server;

10   (c4) determining that said optimal server configuration involves just one server;

(c5) querying to see if the individual Server memory requirement is less than 100 MB;

15   (c6) if step (c5) is YES, then rounding-off the value of server memory to the nearest whole number.

6.   The method of claim 5 which includes the step of:

(c7) accessing Server information from a Server Information Database.

7.   The method of claim 5 wherein step (c3)
includes the step of:

> (c3a) dividing the total server
> memory required for the optimal
> configuration by the total number of
> servers involved.

8.   The method of claim 5 wherein step (b5)
includes the step of:

> (c4a) determining that said optimal
> server configuration involves more
> than one server;
>
> (c4b) if step (c4a) is YES, then
> incrementing the memory requirement
> for each server by 64 MB.

9.   The method of claim 5 wherein step (c5) includes the steps of:

(c5a) querying to see if the individual server memory requirement is equal to or greater than 1,000 MB;

(c5b) if step (c5a) is YES, then converting each server memory requirement to Gigabytes;

(c5c) establishing the total memory requirements TM as the smallest number, Nm, of either Ox (maximum amount of operating system memory) or Oy (maximum server memory required).

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10.   A system for aiding a Thin Client Sizing Tool used to configure an optimal one or more Server Farms for a customer profile, by establishing the memory requirements for the Server Farm configuration, said
5   system comprising:

    (a) server information database means for holding benchmark and information data on selected servers;

    (b) sizing database means for storing the
10   optimal number of servers for a customer profile and the Availability level of each server;

    (c) configuration database template means for providing a format to collect information from
15   data on window screens input as a customer's profile;

    (d) configuration session database means for holding and supplying data to an Application Delivery Solution Configuration means;

20   (e) said Application Delivery Solution configuration means for executing algorithms to develop an optimized configuration for a Server Farm;

    (f) means for developing a customer profile of
25   requirements via inputting data on a series of window screens;

(g)   means to calculate the memory requirements for each Server with respect to each type of operating system, each type of application involved and each type of User involved.

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11.   A   method   for   determining   the   memory
requirements for a Thin Client Sizing Tool comprising the
steps of:

   (a) acquiring information from a set of
   database means regarding the operating systems
   involved, the types of Users, the applications
   involved, and the number of Users for each
   application and each operating system;

   (b) accessing information from a server
   database means as to the memory requirements
   for each User of each application, and the
   memory requirement for each operating system;

   (c) establishing the number and type of
   servers for an optimal solution for the
   customer profile;

   (d) calculating the total memory required for
   the optimal server configuration;

   (e) calculating the memory for each server.

12.   The method of claim 11 wherein step (e) includes the steps of:

      (e1) determining that the optimal solution involves more than one (1) server;

5   (e2) incrementing the memory requirement by 64 MB for each server.

13.   The method of claim 11 wherein step (e) includes the steps of:

      (ea) determining that the optimal solution requires only one Server;

5   (eb) establishing that the memory requirement per server is less than 1,000 Mega Bytes;

      (ec) rounding-out the final memory requirement per server to the nearest
10   0.5 Gigabytes.